

CLAIMS

1. A method of manufacturing a resin-made joint boot comprising the steps of:
molding a boot body from a laser energy absorbing thermoplastic resin material,
said boot body including a large-diameter tubular part at axially one end thereof, a small-diameter tubular part at the other end thereof, and a bellows section interconnecting both, the large-diameter tubular part having, on an internal peripheral surface thereof at its open end, an outwardly divergent tilting surface;
molding a bushing to be fitted inside the large-diameter tubular part from a laser energy transmitting thermoplastic resin material,
said bushing including an external peripheral wall of a circular form in cross-section adapted to engage with the internal peripheral surface of the large-diameter tubular part and an internal peripheral wall having inwardly protruding convex portions at a plurality of circumferential places, the bushing being provided, at its axial end to be disposed on the open end side of the large-diameter tubular part, with an annular projecting portion to be disposed to abut on the tilting surface;
and disposing the bushing inside the large-diameter tubular part of the boot body, and irradiating laser through the annular projecting portion of the bushing onto the tilting surface of the boot body, thereby heating and fusing abutment parts of the annular projecting portion and the tilting surface to weld them together, whereby to integrate the boot body and the bushing.
2. The manufacturing method of a resin-made joint boot as set forth in claim 1, wherein said annular projecting portion has a welding surface to be disposed to abut on the tilting surface of the boot body and a laser incidence surface on which laser is incident, and a thickness of the annular projecting portion defined by a distance between the welding surface and the laser incidence surface is constant.
3. The manufacturing method of a resin-made joint boot as set forth in claim 1 or 2, wherein laser is irradiated substantially perpendicularly on the tilting surface of the boot body.